

## CURRICULUM VITAE

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CHILDREN:

EDUCATION:

B.S., Chemistry, Montana State College, Bozeman, Mont., 1944  
 US Navy, Electronics, 1944-1946  
 Ph.D., Pharmacology, Univ. of Chicago, Chicago, Ill., 1950  
 M.D., Medicine, Univ. of Chicago, Chicago, Ill., 1953

PROFESSIONAL EXPERIENCE:

University of Chicago Medical School

Research Assistant, Univ. of Chicago Toxicity Laboratory, 1946-1950  
 Research Associate, US Air Force Radiation Laboratory and Univ. of Chicago  
 Toxicity Laboratory, 1951-1953  
 Assistant Director, US Air Force Radiation Laboratory & Toxicity  
 Laboratory, 1954-1967  
 Assistant Professor, Department of Pharmacology, 1956-1957  
 Associate Professor, Department of Pharmacology, 1957-1967

University of Kansas Medical Center

Professor of Pharmacology and Toxicology, Department of Pharmacology,  
 Toxicology and Therapeutics, 1967-  
 Co-Director, Clinical Pharmacology-Toxicology Center, 1967-1968  
 Director, Univ. of Kansas Medical Center Safety Office, 1978-1985  
 Director, Center for Environmental and Occupational Health, 1986-

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PROFESSIONAL SOCIETY MEMBERSHIPS:

REDACTED

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EDITORIAL BOARDS:

Toxicology and Applied Pharmacology, 1970-1982  
Forum for the Advancement of Toxicology, 1973-1983  
AACTION (American Academy of Clinical Toxicology), 1974-1977  
Environmental Health Sciences, 1976-  
Archives Internationales de Pharmacodynamie et de Therapie, 1976-  
Journal of Environmental Pathology and Toxicology, 1977-  
Health & Environment Digest, 1987-

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## CONSULTANTSHIPS

ChemAgro Corp., Kansas City, MO, 1950-1980  
Walter Reed Army Institute for Research, 1960-1963  
Radiation Protection Panel, 1962-1963  
Atomic Defense Support Agency, Group N-3, 1961-1962  
White House Evaluation Study (Woolridge Report), 1962-1963  
NIH Special Grants Program Advisory Panel, 1962  
NIH Toxicology Study Section, 1965-1970  
HEW Secretary's Commission on Pesticides (Mrak Report), 1968-1969  
Subcommittee on Interactions, 1968-1969  
Midwest Research Institute, 1969-  
Institute for Clinical Toxicology, Houston, Texas, 1969-1973  
National Academy of Sciences, National Research Council, 1970-  
Toxicology Information Program (Chairman), 1970-1975  
Food Protection Committee, 1974-1979  
Committee on Non-nutritive Sweeteners, 1974-1975  
Safe Drinking Water Committee, 1975-1978 (Chairman, 1976-1978)  
Pesticides Subcommittee (Chairman), 1975-1977  
Committee to Revise Publication 1138, 1976-1977  
Chronic Toxicity Subcommittee (Chairman), 1976-1977  
Board on Toxicology and Environmental Health Hazards, 1978-1986  
Board on Environmental Sciences and Toxicology, 1986-  
IOM Food Safety Policy Subcommittee, 1978-1979  
Committee to study Saccharin and Food Safety Policy, 1978-1979  
IOM Advisory Committee on CDC Study of Vietnam Veteran Health, 1985-  
1988  
Committee on Toxicity Testing Strategies (Chairman), 1982-1984  
Committee on Mixtures (Chairman), 1986-1988  
Committee on Toxicology (Chairman), 1987-  
Environmental Protection Agency, Washington, D.C., 1976-  
FIFRA Science Advisory Panel, 1976-1980  
Worker Re-entry Protocol Group, 1977-1978  
Committee on Tolerances, 1978-1979  
Science Advisory Board, Environmental Health Committee, 1980-  
Organics Subcommittee (Chairman), 1986-  
Estimating Risks from Dioxins/Dibenzofurans, 1986-1987  
Severity of Effects Ranking Schemes, 1985-1986  
Acute Toxics Committee, 1986-1987  
Hazard Ranking System Committee, 1987-1988  
National Institute of Environmental Health Sciences, 1975-1978  
NIEHS Advisory Council, 1975-1978  
University-Based Centers Subcommittee (Chairman), 1975-1978  
Second Task Force on Human Health and the Environment, 1976-1977  
Biologic Mechanisms and Toxicity Subcommittee, 1976-1977  
F.E.M.A., Washington, D.C., Expert Panel Member, 1977-  
National Advisory Committee, California Primate Center, Davis, 1977-1980  
CPC International, Englewood Cliffs, Toxicology Assessment Group, 1978  
Best foods, Union, NJ, Food Safety and Nutrition Board, 1978-  
OTA, Washington, Panel on Assessment of Environmental Contaminants, 1978  
Rohm and Haas, Philadelphia (Medical Dept.), 1980-  
Stauffer Chemical Corp., Pesticide Advisory Group, 1980-1984  
National Toxicology Program, Board of Scientific Counselors  
Ad Hoc Panel on Chemical Carcinogenesis Testing & Evaluation, 1982-  
1984

DHHS Advisory Committee on Long-term Health Effects of Phenoxy Herbicides  
 and Contaminants, 1982-1985  
 National Sanitation Foundation, Ann Arbor, 1983-  
 Council of Public Health Consultants, 1983-  
 Health Advisory Board, 1983-  
 Drinking Water Additives Peer Review Group, 1987-  
 Nutrition Foundation, Washington  
 Predictive Role of Mouse Liver Tumors Committee, 1982-1983  
 WAREP, Panel on Health Aspects of Waste Chemical Disposal, 1983-1984  
 Kansas Dept. Health and Environment, Topeka, 1983-  
 Toxicology Advisory Committee, 1983-  
 Governors Advisory Committee on Radon (Chairman), 1987-  
 National Institute of Occupational Safety and Health, 1984-1987  
 Board of Scientific Counselors, 1984-1987  
 Pillsbury Corp., Minneapolis, 1984-  
 White House Advisory Panel on Ranchhand Veterans, 1984-1986  
 Clean Sites Inc., Alexandria, Technical Advisory Panel, 1984-  
 Naylor Dana Institute, Advisory Panel on Acetaminophen, 1986-1987  
 Black and Veatch Engineering Corp., Kansas City, 1986-1987  
 Denver Water Department Reuse Demo. Project Advisory Committee, 1986-  
 Scientific Advisory Panel on Ground Water Recharge (California), 1987  
 Water Resource Recovery Pilot Plant Project (Tampa, FL), 1987-  
 Health Effects Group (Chairman), 1987-  
 Monsanto Chemical Corp., St. Louis Alachlor Review Panel, 1987-1988  
 International Life Sciences Institute, Risk Science Institute, 1988-

#### LOCAL COMMITTEES:

Poison Control Center Committee (Chairman), 1968-1980  
 Pharmacy and Therapy Committee (Chairman), 1969-1984  
 Basic Science Lectureship Committee, 1970-1972  
 Health Care Delivery systems Committee, 1971-1972  
 Research Committee, 1971-1973  
 Animal Care Committee, 1972-1974  
 Computer Committee (Chairman), 1972-1974  
 Search Committee for Chair of Biochemistry, 1975  
 Search Committee for Dean of School of Nursing (Chairman), 1975  
 Education Committee, 1976-1977  
 Faculty Promotion and Tenure Committee, 1976-1977  
 Curriculum Implementation Committee, 1976  
 Ad Hoc Ethics Committee, 1976  
 Long Range Planning Committee, 1976  
 Information Systems Advisory Committee, 1977  
 Medical Center Safety Committee (Chairman), 1978-1983  
 Radiation Safety Committee, 1978-1983  
 Biohazards Committee, 1978-1983  
 Engineering Safety Committee, 1978-1983  
 Committee for Intercampus Liaison (Chairman), 1978-1980  
 Search Committee for Director of Biomedical Engineering (Chairman), 1980  
 Search Committee for Graduate School Dean (Chairman), 1980  
 Task Force on Need for School of Public Health, 1980  
 Education and Curriculum Committee, 1984-1987  
 Center for Environmental and Occupational Health, 1986-  
 Executive Advisory Committee, 1986-  
 External Advisory Committee, 1986-

HONORS/AWARDS:

Sigma Xi, 1960  
Alpha Omega Alpha, 1973.  
The Kenneth P. DuBois Award, 1985

BOOKS/BOOK CHAPTERS:

Essays in Toxicology (F. Blood, ed.), Academic Press, New York, Effect of Physical Environmental Factors on Drug Response, 1972.

Casarett and Doull's Toxicology: The Basic Science of Poisons, Macmillan Publishing Co., Inc., New York.

First Edition (L. J. Casarett and J. Doull, eds.), 1975  
Second Edition (C. D. Klaassen, M. O. Amdur and J. Doull, eds.), 1980  
Third Edition (C. D. Klaassen, M. O. Amdur and J. Doull, eds.), 1986

Insecticide Biochemistry and Physiology (C. Wilkinson, ed.), Plenum Press, NY., The Treatment of Insecticide Poisoning, 1976.

Information Technology in Health Science Education (E. Delland, ed.), Plenum Pub. Co., Use of GATS in Pharmacology, 1978.

Food Safety (H. Roberts, ed.), Wiley & Sons, New York, Chapter 7, Food Safety and Toxicology, 1981.

Complex Mixtures, National Academy Press, Washington, D.C., 1988.

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# BIBLIOGRAPHY

1. DuBois, K. P., Doull, J., Salerno, P. R., and Coon, J. M. Studies on the toxicity and mechanism of action of p-nitrophenyl diethyl thionophosphate (Parathion). *J. Pharmacol. Exp. Ther.* 95: 79 (1949).
2. DuBois, K. P., Doull, J., and Cochran, K. W. Effects of acute beryllium poisoning on carbohydrate metabolism. *Proc. 116th Meeting Amer. Chem. Soc.*, p. 57 (1949).
3. DuBois, K. P., Doull, J., and Coon, J. M. The cholinergic action of alkyl pyrophosphoramides. *J. Pharmacol. Exp. Ther.* 98: 6 (1950).
4. Cochran, K. W., Doull, J., Mazur, M., and DuBois, K. P. Acute toxicity of zirconium, columbium, strontium, lanthanum, cesium, tantalum and yttrium. *J. Ind. Hyg. Occup. Med.* 1: 637 (1950).
5. DuBois, K. P., Doull, J., and Coon, J. M. Studies on the toxicity and pharmacological actions of octamethyl pyrophosphoramides (OMPA, Pestox III). *J. Pharmacol. Exp. Ther.* 99: 376 (1950).
6. DuBois, K. P., Cochran, K. W., and Doull, J. Inhibition of citric acid synthesis in vitro by x-irradiation. *Proc. Soc. Exp. Biol. Med.* 76: 422 (1951).
7. Doull, J., DuBois, K. P., and Geiling, E. M. K. The biosynthesis of radioactive bufagin. *Arch. Int. Pharmacodyn.* 86: 454 (1951).
8. Doull, J., Hermann, R. G., Geiling, E. M. K., and DuBois, K. P. Effects of bufagin on the respiration of cardiac muscle and other tissues. *Arch. Int. Pharmacodyn.* 86: 487 (1951).
9. Doull, J., and DuBois, K. P. Toxicity and anticholinesterase action of tetra-n-propyl dithionopyrophosphate. *J. Pharmacol. Exp. Ther.* 106: 382 (1952).
10. DuBois, K. P., Doull, J., Deroin, J., and Cummings, O. K. Studies on the toxicity and mechanism of action of some new insecticidal thionophosphates. *Arch. Ind. Hyg. Occup. Med.* 8: 350 (1953).
11. DuBois, K. P., Doull, J., Okinaka, A. J., and Coon, J. M. Studies on the toxicity and pharmacological actions of symmetrical and unsymmetrical diethyl bis(dimethylamido) pyrophosphate. *J. Pharmacol. Exp. Ther.* 107: 464 (1953).
12. Doull, J., and DuBois, K. P. Influence of hibernation on survival time and weight loss of x-irradiated ground squirrels. *Proc. Soc. Exp. Biol. Med.* 84: 367 (1953).
13. Doull, J. Studies on the cholinesterase activity of tissues of irradiated animals. *J. Pharmacol. Exp. Ther.* 110: 14 (1954).
14. Okinaka, A. J., Doull, J., Coon, J. M., and DuBois, K. P. Studies on the toxicity and pharmacological actions of bis(dimethylamido) fluorophosphate (BFF). *J. Pharmacol. Exp. Ther.* 112: 231 (1954).

15. Fitch, F. W., Doull, J., and Wissler, R. W. Histopathology of the irradiated hibernating ground squirrel (*Citellus tridecemlineatus*). *A.M.A. Arch. Path.* 60: 644 (1955).
16. Hallesy, D. W., and Doull, J. Acute and chronic toxicity of orange B and orange 1 in rats. *J. Pharmacol. Exp. Ther.* 116: 26 (1956).
17. Doull, J. Irradiation and survival in hibernating animals. *Med. Sci.* 11: 27 (1956).
18. Landahl, H. D., Hasegawa, A. T., and Doull, J. Effect of whole body x-irradiation on the heat production and temperature regulation of rats and mice. *Radiat. Res.* 5: 488 (1956).
19. Doull, J., Plzak, V., and Noble, J. F. Synthesis and radioprotective properties of chlorinated O-dialkylaminopropionamides- and O-dialkylaminopropylaminodiphenyl sulfide derivatives. *J. Med. Pharm. Chem.* 1: 171 (1959).
20. Doull, J., Plzak, V., and Brois, S. J. Protective effects of various phenone derivatives against radiation lethality in x-irradiated mice. *Radiat. Res.* 11: 439 (1959).
21. Noble, J. F., Hasegawa, A. T., Landahl, H. D., and Doull, J. Effect of fractionation on survival of mice following chronic exposure to x-irradiation. *Radiat. Res.* 11: 457 (1959).
22. Doull, J. Chemical antidotes for radiation injury. *Arch. Environ. Health* 2: 284 (1961).
23. Vesselinovitch, D., DuBois, K. P., Fitch, F. W., and Doull, J. Mammalian toxicity and histopathologic effects of 2,6-dibutyl-4-nitrophenol. *Toxicol. Appl. Pharmacol.* 3: 713 (1961).
24. Doull, J., Plzak, V., and Root, M. Protection against chronic radiation lethality in mice. *Radiat. Res.* 16: 578 (1962).
25. Doull, J., Plzak, V., and Brois, S. J. A survey of compounds for radiation protection. *USAF School of Aerospace Med. Report, No. 62-29: 1* (1962).
26. Doull, J., Plzak, V., and Root, M. Toxicity and radioprotective activity of p-aminopropiophenone in mice. *Radiat. Res.* 16: 588 (1962).
27. Plzak, V., and Doull, J. Toxicity and radioprotective effects of acetyl p-aminopropiophenone in mice. *Radiat. Res.* 19: 228 (1963).
28. Oldfield, D. G., Doull, J., Plzak, V., Hasegawa, A., and Sandberg, A. Protection of proton-irradiated mice with p-aminopropiophenone (PAPP) and 2-mercaptoethylamine (MEA). *Radiat. Res.* 19: 229 (1963).
29. Plzak, V., Hasegawa, A. T., and Doull, J. Radioprotective effects of cyclobutane derivatives in mice. *Radiat. Res.* 22: 224 (1964).
30. Vesselinovitch, D., and Doull, J. Effect of adding Co-ral to the diet of rats and mice. *Lab. Anim. Care* 14: 325 (1964).

31. Doull, J., Oldfield, D. G., and Plzak, V. Chemical protection against high energy proton radiation in mice. *Blood, The Journal of Hematology* 24: 638 (1964).
32. Oldfield, D. G., Doull, J., and Plzak, V. Chemical protection against 440 Mev protons in mice treated with mercaptoethylamine (MEA) or p-amino-propionophenone (PAPP). *Radiat. Res.* 26: 12 (1965).
33. Oldfield, D. G., Doull, J., and Plzak, V. Chemical protection against absorber moderated protons. *Radiat. Res.* 26: 25 (1965).
34. Plzak, V., and Doull, J. Dose reduction factors (DRF) for various radioprotective agents in mice. *Radiat. Res.* 25: 228 (1965).
35. Plzak, V., and Doull, J. Comparative subacute oral toxicity of some organic phosphates in rats and dogs. *Toxicol. Appl. Pharmacol.* 8: 350 (1966).
36. Goepf, R. A., Fitch, F. W., and Doull, J. The use of parenteral chemical for protection against oral radiation death in mice. *Radiat. Res.* 31: 149 (1967).
37. Doull, J. Pharmacologic responses in irradiated animals. *Radiat. Res.* 30: 333 (1967).
38. Plzak, V., and Doull, J. A further survey of compounds for radiation protection. *USAF School of Aerospace Med. Report, #SAM TR 69-1: 1* (1969).
39. Goldstein, G. M., and Doull, J. Treatment of nitrite-induced methemoglobinemia with hyperbaric oxygen. *Proc. Soc. Exp. Biol. Med.*, 138: 137 (1971).
40. DeFeo, F. G., Fitzgerald, T. J., and Doull, J. Synthesis and biologic activity of p-hydroxylaminopropionophenone. *J. Med. Chem.*, 15: 1185 (1972).
41. Doull, J. The effect of physical environmental factors on drug response. In *Essays in Toxicology* (W. J. Hayes, ed.), Chapter 2, Academic Press, New York, N.Y. (1972).
42. Fitzgerald, T. J., Doull, J., and DeFeo, F. G. Radioprotective activity of p-aminopropionophenone: structure activity relationships. *Radiat. Res.* 55: 3 (1973).
43. Hurwitz, A., and Doull, J. Effect of irradiation on gastrointestinal drug absorption. *Radiat. Res.* 59: 606 (1974).
44. Doull, J. Factors influencing toxicity. In *Casarett and Doull's Toxicology: The Basic Science of Poisons* (J. Doull and L. J. Casarett, eds.), Chapter 5, Macmillan Publishing Co., Inc., N.Y. (1975).
45. Doull, J., and Casarett, L. J. (eds.). *Casarett and Doull's Toxicology: The Basic Science of Poisons*, Macmillan Publishing Co., Inc., N.Y. (1975).

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- 46.. Doull, J. Evaluation of the toxicity of food additives. *Proc. Sixth Internat. Congress of Pharmacol.* 6: 115 (1975).
47. Doull, J. Pesticide-induced delayed neurotoxicity. In *Pesticide Induced Delayed Neurotoxicity* (R. L. Baron, ed.), EPA 600/1-76-025, Chapter 8, Washington, D.C. (1976).
48. Doull, J. The treatment of insecticide poisoning. In *Insecticide Biochemistry and Physiology* (C. A. Wilkerson, ed.), Chapter 16, Plenum Press, New York, N.Y. (1976).
49. Doull, J., and Walaszek, E. J. The use of Computer Assisted Teaching Systems in Pharmacology. In *Computers in Medical Education* (E. Deland, ed.), Chapter 12, Plenum Pub. Co., New York, N.Y. (1977).
50. Doull, J., Klaassen, C. D., and Amdur, M. O. (eds.). *Casarett and Doull's Toxicology: The Basic Science of Poisons*, 2nd Ed., Macmillan Publishing Co., Inc., N.Y. (1980).
51. Klaassen, C. D., and Doull, J. Evaluation of safety: toxicologic evaluation. In *Casarett and Doull's Toxicology: The Basic Science of Poisons*, (J. Doull, C. D. Klaassen and M. Amdur, eds.), pp. 28-55, Macmillan Publishing Co., Inc., N.Y. (1980).
52. Misawa, M., Doull, J., Kitos, P. A., and Uyeki, E. M. Teratogenic effects of cholinergic insecticides in chick embryos. I. Diazinon treatment on acetylcholinesterase and choline acetyltransferase activities. *Toxicol. Appl. Pharmacol.* 57: 20-29 (1981).
53. Misawa, M., Doull, J., and Uyeki, E. M. Mechanisms of teratology induced by organophosphates. *8th Int. Congress of Pharmacology*, July 19-24, Tokyo, Japan (1981). (Abst.)
54. Eigenberg, D., Pazdernik, T., and Doull, J. Memoperfusion: a possible alternative method for treating organophosphate insecticide poisoning. *The Toxicologist* 1: 136 (1981).
55. Doull, J. Assessing pesticide toxicity in man and correlations with laboratory animal studies. In J. Miyamoto et al. (ed.). *IUPAC Pesticide Chemistry*, Kyoto, Japan, Pergamon Press (1983).
56. Klaassen, C. D., Amdur, M. O., and Doull, J. (eds.). *Casarett and Doull's Toxicology: The Basic Science of Poisons*, 3rd Ed., Macmillan Publishing Co., Inc., N.Y. (1986).
- 57.. Doull, J., and Bruce, M. C. Origin and scope of toxicology. In *Casarett and Doull's Toxicology: The Basic Science of Poisons* (C. D. Klaassen, M. O. Amdur and J. Doull, eds.), pp. 3-10, Macmillan Publishing Co., Inc., N.Y. (1986).

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